IFWO

RAW SEQUENCE LISTING DATE: 09/14/2004
PATENT APPLICATION: **US/10/825,911** TIME: 09:52:18

Input Set : **A:\54411-20002.00.txt**
Output Set: **N:\CRF4\09142004\J825911.raw**


```
 4 <110> APPLICANT: Lin, Xinli
 6 <120> TITLE OF INVENTION: METHODS FOR PRODUCTION OF RECOMBINANT
 7       UROKINASE
 9 <130> FILE REFERENCE: 544112000200
11 <140> CURRENT APPLICATION NUMBER: US 10/825,911
12 <141> CURRENT FILING DATE: 2004-04-16
14 <150> PRIOR APPLICATION NUMBER: US 60/463,632
15 <151> PRIOR FILING DATE: 2003-04-16
17 <150> PRIOR APPLICATION NUMBER: US 60/498,134
18 <151> PRIOR FILING DATE: 2003-08-26
20 <150> PRIOR APPLICATION NUMBER: CN 03134847.5
21 <151> PRIOR FILING DATE: 2003-09-25
23 <160> NUMBER OF SEQ ID NOS: 7
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1248
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo Sapiens
32 <400> SEQUENCE: 1
33 catatgtcca acgaactgca ccaggttcca tcgaactgtg actgtctaaa tggaggaaca 60
34 tgtgtgtcca acaagtactt ctccaacatt cactggtgca actgcccaaa gaaattcgga 120
35 gggcagcact gtgaaataga taagtcaaaa acctgctatg aggggaatgg tcacttttac 180
36 cgaggaaagg ccagcactga caccatgggc cggccctgcc tgccctggaa ctctgccact 240
37 gtccttcagc aaacgtacca tgcccacaga tctgatgctc ttcagctggg cctggggaaa 300
38 cataattact gcaggaaccc agacaaccgg aggcgaccct ggtgctatgt gcaggtgggc 360
39 ctaaagctgc ttgtccaaga gtgcatggtg catgactgcg cagatggaaa aaagccctcc 420
40 tctcctccag aagaattaaa atttcagtgt ggccaaaaga ctctgaggcc ccgctttaag 480
41 attattgggg gagaattcac caccatcgag aaccagccct ggtttgcggc catctacagg 540
42 aggcaccggg ggggctctgt cacctacgtg tgtggaggca gcctcatcag cccttgctgg 600
43 gtgatcagcg ccacacactg cttcattgat tacccaaaga aggaggacta catcgtctac 660
44 ctgggtcgct caaggcttaa ctccaacacg caaggggaga tgaagtttga ggtggaaaac 720
45 ctcatcctac acaaggacta cagcgctgac acgcttgctc accacaacga cattgccttg 780
46 ctgaagatcc gttccaagga gggcaggtgt gcgcagccat cccggactat acagaccatc 840
47 tgcctgccct cgatgtataa cgatccccag tttggcacaa gctgtgagat cactggcttt 900
48 ggaaaagaga attctaccga ctatctctat ccggagcagc tgaaaatgac tgttgtgaag 960
49 ctgatttccc accgggagtg tcagcagccc cactactacg gctctgaagt caccaccaaa 1020
50 atgctgtgtg ctgctgaccc acagtggaaa acagattcct gccagggaga ctcaggggga 1080
51 cccctcgtct gttccctcca aggccgcatg actttgactg gaattgtgag ctggggccgt 1140
52 ggatgtgccc tgaaggacaa gccaggcgtc tacacgagag tctcacactt cttaccctgg 1200
53 atccgcagtc acaccaagga agagaatggc ctggccctct aactcgag              1248
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 412
57 <212> TYPE: PRT
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<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 2

```
Met Ser Asn Glu Leu His Gln Val Pro Ser Asn Cys Asp Cys Leu Asn
 1               5                  10                  15
Gly Gly Thr Cys Val Ser Asn Lys Tyr Phe Ser Asn Ile His Trp Cys
            20                  25                  30
Asn Cys Pro Lys Lys Phe Gly Gly Gln His Cys Glu Ile Asp Lys Ser
        35                  40                  45
Lys Thr Cys Tyr Glu Gly Asn Gly His Phe Tyr Arg Gly Lys Ala Ser
    50                  55                  60
Thr Asp Thr Met Gly Arg Pro Cys Leu Pro Trp Asn Ser Ala Thr Val
65                  70                  75                  80
Leu Gln Gln Thr Tyr His Ala His Arg Ser Asp Ala Leu Gln Leu Gly
                85                  90                  95
Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Arg Pro
            100                 105                 110
Trp Cys Tyr Val Gln Val Gly Leu Lys Leu Leu Val Gln Glu Cys Met
        115                 120                 125
Val His Asp Cys Ala Asp Gly Lys Lys Pro Ser Ser Pro Pro Glu Glu
    130                 135                 140
Leu Lys Phe Gln Cys Gly Gln Lys Thr Leu Arg Pro Arg Phe Lys Ile
145                 150                 155                 160
Ile Gly Gly Glu Phe Thr Thr Ile Glu Asn Gln Pro Trp Phe Ala Ala
                165                 170                 175
Ile Tyr Arg Arg His Arg Gly Gly Ser Val Thr Tyr Val Cys Gly Gly
            180                 185                 190
Ser Leu Ile Ser Pro Cys Trp Val Ile Ser Ala Thr His Cys Phe Ile
        195                 200                 205
Asp Tyr Pro Lys Lys Glu Asp Tyr Ile Val Tyr Leu Gly Arg Ser Arg
    210                 215                 220
Leu Asn Ser Asn Thr Gln Gly Glu Met Lys Phe Glu Val Glu Asn Leu
225                 230                 235                 240
Ile Leu His Lys Asp Tyr Ser Ala Asp Thr Leu Ala His His Asn Asp
                245                 250                 255
Ile Ala Leu Leu Lys Ile Arg Ser Lys Glu Gly Arg Cys Ala Gln Pro
            260                 265                 270
Ser Arg Thr Ile Gln Thr Ile Cys Leu Pro Ser Met Tyr Asn Asp Pro
        275                 280                 285
Gln Phe Gly Thr Ser Cys Glu Ile Thr Gly Phe Gly Lys Glu Asn Ser
    290                 295                 300
Thr Asp Tyr Leu Tyr Pro Glu Gln Leu Lys Met Thr Val Val Lys Leu
305                 310                 315                 320
Ile Ser His Arg Glu Cys Gln Gln Pro His Tyr Tyr Gly Ser Glu Val
                325                 330                 335
Thr Thr Lys Met Leu Cys Ala Ala Asp Pro Gln Trp Lys Thr Asp Ser
            340                 345                 350
Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Ser Leu Gln Gly Arg
        355                 360                 365
Met Thr Leu Thr Gly Ile Val Ser Trp Gly Arg Gly Cys Ala Leu Lys
```

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```
109     370                 375                 380
110 Asp Lys Pro Gly Val Tyr Thr Arg Val Ser His Phe Leu Pro Trp Ile
111 385                 390                 395                 400
112 Arg Ser His Thr Lys Glu Glu Asn Gly Leu Ala Leu
113                 405                 410
116 <210> SEQ ID NO: 3
117 <211> LENGTH: 46
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic Construct
124 <400> SEQUENCE: 3
125 catatgtcca acgaactgca ccaggttcca tcgaactgtg actgtc                46
127 <210> SEQ ID NO: 4
128 <211> LENGTH: 30
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Synthetic Construct
135 <400> SEQUENCE: 4
136 ctcgagttag agggccaggc cattctcttc                                  30
138 <210> SEQ ID NO: 5
139 <211> LENGTH: 1239
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Synthetic Construct
146 <400> SEQUENCE: 5
147 atgagcaatg aactgcatca ggttccgagc aactgtgatt gtctgaatgg tggcacctgt 60
148 gtgagcaaca aatacttcag caacattcac tggtgcaact gcccgaaaaa attcggtggc 120
149 cagcactgtg aaatcgataa aagcaaaacc tgctatgaag gcaatggtca cttttaccgc 180
150 ggcaaagcca gcaccgatac catgggccgt ccgtgcctgc cgtggaacag cgccaccgtt 240
151 ctgcagcaga cctaccatgc ccaccgtagc gatgcgctgc agctgggcct gggtaaacat 300
152 aattactgcc gcaacccgga taaccgtcgt cgtccgtggt gctatgtgca ggtgggcctg 360
153 aaaccgctgg ttcaggaatg catggtgcat gattgcgcgg atggtaaaaa accgagcagc 420
154 ccgccggaag aactgaaatt ccagtgtggc cagaaaaccc tgcgtccgcg ctttaaaatt 480
155 attggcggcg aattcaccac catcgaaaac cagccgtggt ttgcggccat ctaccgtcgt 540
156 caccgtggtg gcagcgttac ctacgtgtgt ggtggcagcc tgatcagccc gtgctgggtg 600
157 atcagcgcca cccactgctt cattgattac ccgaaaaaag aagattacat cgtttacctg 660
158 ggtcgcagcc gtctgaacag caacacccag ggcgaaatga aatttgaagt ggaaaacctg 720
159 atcctgcaca aagattacag cgcggatacc ctggcgcacc acaacgatat tgccctgctg 780
160 aaaatccgta gcaaagaagg ccgttgtgcg cagccgagcc gcaccatcca gaccatctgc 840
161 ctgccgagca tgtataacga tccgcagttt ggcaccagct gtgaaatcac cggctttggc 900
162 aaagaaaata gcaccgatta tctgtatccg gaacagctga aaatgaccgt tgtgaaactg 960
163 attagccacc gtgaatgtca gcagccgcac tactacggca gcgaagtgac caccaaaatg 1020
164 ctgtgtgcgg cggatccgca gtggaaaacc gatagctgcc agggtgatag cggtggtccg 1080
165 ctggtttgta gcctgcagtg ccgcatgacc ctgaccggta ttgtgagctg gggccgtggt 1140
166 tgtgccctga aagataaacc gggcgtttac acccgtgtta gccacttcct gccgtggatc 1200
167 cgcagccaca ccaaagaaga aaatggcctg gcactgtaa                        1239
```

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Input Set : **A:\54411-20002.00.txt**
Output Set: **N:\CRF4\09142004\J825911.raw**

169 <210> SEQ ID NO: 6
170 <211> LENGTH: 33
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetic Construct
177 <400> SEQUENCE: 6
178 atcactggct ttggacacga gaattctacc gac 33
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 33
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Synthetic Construct
188 <400> SEQUENCE: 7
189 gtcggtagaa ttctcgtgtc caaagccagt gat 33

VERIFICATION SUMMARY DATE: 09/14/2004
PATENT APPLICATION: **US/10/825,911** TIME: 09:52:19

Input Set : **A:\54411-20002.00.txt**
Output Set: **N:\CRF4\09142004\J825911.raw**